

Fleck, Diane (LA user)

From: Fleck, Diane (LA user)
Sent: Monday, July 27, 2020 11:46 AM
To: Joseph Dillon - NOAA Federal
Subject: RE: Green Sturgeon RC? - diet information needed

Thank you Joe! Our folks in HQ (who originally asked about GS) may follow up with Page.
Stay safe --
d

Diane E. Fleck, P.E., Esq.
U.S. EPA Region 9 WTR-2-1
Southern California Field Office
600 Wilshire Blvd., Suite 940
Los Angeles, CA 90017
Phone: 213 244-1836

From: Joseph Dillon - NOAA Federal [mailto:joseph.j.dillon@noaa.gov]
Sent: Friday, July 24, 2020 12:57 PM
To: Fleck, Diane (LA user) <Fleck.Diane@epa.gov>
Subject: Fwd: Green Sturgeon RC? - diet information needed

Hi Diane - yes, I finally remembered to inquire last week and, after some hunting to find out who the Recovery Coordinator is now, received this response. Page Vick is the current coordinator in a contractor position.

Although the info isn't spot on for California, take a look at the powerpoint. You'll see that half the green sturgeon caught and sampled in the Oregon and Washington estuaries are Southern DPS and the blood plasma selenium levels found in those fish are almost identical to their northern cousins. So whatever the mix of dietary items are for GS once they leave SF Bay, it appears that the diet outside of the Bay could provide a "growth dilution" effect for the fish. I remember seeing similar data years ago for central valley salmon and mercury. Basically, the Chinook may go out of SF Bay a little hot, but by the time they come back for spawning, their mercury body burden was not at problematic levels.

As for other estuaries in CA, we do expect them to poke their heads into most areas that are large enough, in particular Humboldt Bay and the Klamath river estuary. Other river estuaries up the coast in CA are not big enough that they would spend appreciable time there in my professional opinion.

Please note that the data in the powerpoint is marked preliminary, so I think it's necessary to email the researcher and ask about it. I did not know about the presentation she gave to NMFS or that we even had a "green sturgeon call". Maybe she has some other information useful to your analysis.

Hope things are good down your way!

Joe

----- Forwarded message -----

From: **Page Vick - NOAA Affiliate** <page.vick@noaa.gov>
Date: Wed, Jul 22, 2020 at 12:27 PM

Subject: Re: Green Sturgeon RC? - diet information needed
To: Joe Heublein - NOAA Federal <joe.heublein@noaa.gov>
Cc: Joseph Dillon - NOAA Federal <joseph.j.dillon@noaa.gov>, Joel Casagrande - NOAA Federal <Joel.Casagrande@noaa.gov>

Yes, Julie Layshock (julielayshock@pacificu.edu) from Pacific University presented some results from the WDFW Columbia River Estuary studies at the WCR Green Sturgeon call in April. I've attached that powerpoint for you, but I would clear it first with Julie about using the information. Laura Heironimus (laura.heironimus@dfw.wa.gov) is currently the sturgeon lead at WDFW. She may know more information on published work or reports. I've attached a study on contaminants and white sturgeon in the Columbia River estuary.

I would also reach out to Robin Stewart at USGS in Menlo Park (arstewar@usgs.gov). She looks at selenium concentrations in muscle, liver, and ovary tissues of green sturgeon. However, I'm not sure if she has processed samples recently.

Please let me know if you need anything else. I'll keep looking and send along more information as I find it.
Thanks,
Page

--
Page Vick
Green Sturgeon Recovery
Contractor with Environmental Assessment Services, LLC

NOAA Fisheries West Coast Region
California Central Valley Office
Office: (916) 930-3728
page.vick@noaa.gov

During the COVID-19 pandemic I am under mandatory telework. I may be working flexible hours to balance family and personal needs. I appreciate your patience if my response time is delayed. If you have a request, please specify important timeframes or deadlines. I will do my best to respond accordingly. Because I have limited ability to retrieve mail, please send any formal correspondence that would normally be sent through the physical mail to ccvo.consultationrequests@noaa.gov. Thank you.

--
Joe Dillon
Water Quality Specialist
NMFS West Coast Region - CA Coastal Area Office
777 Sonoma Avenue, Ste 325
Santa Rosa, CA 95404
707-575-6093